

UW–Madison

Interdisciplinary Professional Programs

2026 Fall and 2027 Spring Maintenance and Reliability Management Certificate Courses



Interdisciplinary
Professional Programs
COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

go.wisc.edu/MRM2026-27

TAKE THE NEXT STEP

Keep pace with the latest innovations and technology with our **Maintenance and Reliability Management (MRM)** courses.

Each course **features practical, problem-solving strategies**, designed to help new and experienced maintenance and reliability professionals.

CONTINUE YOUR PROFESSIONAL EDUCATION WITH A CHANCE TO EARN AN ADDITIONAL CERTIFICATE!

MRM Certificate

Complete the required course and 4 additional MRM courses



After earning your MRM Certificate, complete 4 additional courses with at least 1 course across all 5 SMRP pillars, plus a Reflection Assessment (RA) to earn the **Advanced MRM Gold Certificate**



The Maintenance and Reliability Management course series will help you:



Stay current with the latest maintenance practices and technologies



Increase your value to your organization



Handle complex maintenance challenges and contribute to the bottom line



Network with individuals experiencing similar problems



Learn from instructors with decades of practical, real-world experience

Immediate Impact

What our participants had to say:

"It was very engaging and there were a lot of things that just, in lack of a better word, clicked. I look forward to bringing these to my team and even some at home."

– Luis Matos, Masters Gallery Foods Inc.
(Total Productive Maintenance and Operator Driven Reliability)

"Great information. Will be able to use some of the new skills I've gained in my day-to-day task[s] as a planner."

– Jason Zenz, Electrical Planner Lead
(Maintenance Planning and Scheduling)

"I liked the interactive sections. Creating a goal and breaking down how to achieve the goal. Considering how to measure its success, and identifying potential obstacles."

– Kris Richmond, Lead Commercial Maintenance, PCI Pharma Services
(Developing a Winning Strategic Plan for Reliability)

"Very informative, simple to digest, comprehensive with examples."

– Roberto Prado-Rivera, Research Engineer, Honeywell
(Root Cause Analysis Tools for Technical Applications)

"This course helped me identify tools and procedures that I didn't know were available for precision and predictive maintenance. It also showed me how these can be helpful in making our maintenance department world class."

– Jason Herrick, Sr. Maintenance Planner, Arla Foods Hollandtown Dairy
(Precision and Predictive Maintenance Technologies and Utilization)

Real-World Knowledge

We are proud to partner with our MRM instructors with decades of hands-on experience.



Paul Dufresne
Chief Reliability Officer,
Reliability Playbook



George Williams
CEO, ReliabilityX



Howard Penrose
President, MotorDoc LLC



Steve Gowan
Vice President - Partner,
Marshall Institute

Learn more and enroll at
go.wisc.edu/MRM2026-27

Real-World Practices

Align your professional development with the Body of Knowledge Pillars for the Society of Maintenance and Reliability Professionals (SMRP)!

Pillar 1: Business and Management

REQUIRED COURSE

Best Practices in Maintenance and Reliability

Master essential strategies for asset reliability and maintenance excellence – proven to reduce machine downtime by up to 50% and extend asset life by over 25%.

Offered in two formats, choose what works for you:

In-Person/Live Online | April 5 – 8, 2027

Self-Paced

CMMS Setup and Utilization October 28 – 29, 2026

Explore how to evaluate systems, set up core and transactional records, and apply best practices for ongoing system maintenance. Whether you're selecting a new CMMS or optimizing an existing one, this course equips you with the tools to drive efficiency and reliability across your maintenance operations.

Pillar 2: Manufacturing Process Reliability

Total Productive Maintenance and Operator Driven Reliability September 23 – 24, 2026

Realizing and sustaining high on-demand utilization of equipment is achievable with a fully functioning total productive maintenance (TPM) system. This class provides an overview of TPM and dives deep into 2 pivotal pillars for a TPM system to yield meaningful results: Planned Maintenance and Autonomous Maintenance.

Root Cause Analysis Tools for Technical Applications April 14 – 15, 2027

This course will provide you with the skills to dig deep into a particular situation and to develop strong countermeasures and resolution plans to improve your operation, product, or system. Root cause analysis leads to elimination of repeat errors, improved efficiencies, enhanced quality products and services, and improved morale.

Online Anytime Courses

Designed specifically for online delivery, these practical courses can be accessed at any time of the day or night. All you need is internet access on a computer or mobile device.

5S Implementation for Results Pillar 4 interpro.wisc.edu/RA01788

The following courses are **not** part of the MRM Certificate:

Introduction to Root Cause Failure Analysis Pillar 2 interpro.wisc.edu/RA01832

Maintenance Best Practices Pillar 1 interpro.wisc.edu/RA01827



Pillar 3: Equipment Reliability

Asset Strategy Development with FMEA, PMO & RCM September 21 – 22, 2026

In this course, you will learn the key elements of a holistic maintenance strategy, which can lead your maintenance organization into becoming more proactive and less reactive. You will learn the steps to effectively implement and sustain the strategy and how to sell the strategy to top management.

Maintenance Lubrication Fundamentals October 13 – 14, 2026

Machinery lubrication is often overlooked, yet it's one of the most critical factors in achieving long-term equipment reliability. This course covers lubrication theory, lubricant selection, application techniques, and condition monitoring, all within the context of a proactive maintenance strategy. You will leave with the tools to reduce failures, extend asset life, and align lubrication practices with broader reliability goals.

Precision and Predictive Maintenance Technologies and Utilization May 17 – 18, 2027

Explore the essentials of precision and predictive maintenance (PdM), including diagnostic technologies and their application in reducing unplanned downtime. Learn how precision maintenance techniques enhance equipment performance and extend asset lifespans. Through practical insights and expert guidance, you will develop maintenance programs tailored to your facilities' needs for improved reliability and productivity.

Pillar 4: Organization and Leadership

Supervision and the Art of Supervising October 6 – 8, 2026

Learn the latest techniques in conflict resolution, effective communication, and team building to capitalize on traditional traits and characteristics of supervision. Participation in multiple case-study-practice sessions will ease implementation of your new knowledge after the course!

Developing a Winning Strategic Plan for Reliability April 12 – 13, 2027

In today's competitive business environment, the difference between success and failure is often based on how well our machines and facilities perform. Learn detailed strategic approaches to management and leadership in maintenance and reliability.

Total Performance Reliability May 11 – 13, 2027

Break free from a reactive firefighting culture, strengthen cross-functional handoffs, and drive behavior that you want by employing a framework specifically designed to sustain results. This course helps ensure all other MRM coursework and best practices are set up for your transformation.

Effectively Managing Your Maintenance Team through Change Leadership May 19 – 20, 2027

Lead your maintenance team through change with confidence using proven leadership strategies tailored to reliability and operations environments. This course equips professionals with the tools to drive sustainable improvements, align behaviors, and foster a culture of continuous progress.

Pillar 5: Work Management

Maintenance Planning and Scheduling October 26 – 27, 2026

Learn to develop and execute an effective maintenance planning and scheduling process and track KPIs and metrics; accurately estimate time and materials for maintenance PM and PdM activities; and use your CMMS to complete maintenance work orders on time.

Advanced World-Class Storeroom Principles November 3 – 5, 2026

This course goes beyond the basics to explore the evolution of storeroom practices into a world-class, reliability-driven function. Through engaging discussions, real tools, and practical activities, you will learn how to optimize inventory, improve accuracy, and align storeroom operations with broader maintenance and reliability goals.